

ApoLipoprotein B Polyclonal Antibody

CATALOG #:	3661-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Goat
IMMUNOGEN:	Apolipoprotein purified from human plasma
FORMULATION:	0.125 M sodium borate, 0.075 M sodium chloride, 0.005 M EDTA, pH 8.0, 0.01% (w/v) sodium azide.

SPECIES REACTIVITY: Human (Other species have not been tested yet)

STORAGE CONDITIONS:

Store vial at 4°C prior to opening. This product is stable at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, mix with an equal volume of glycerol, aliquot contents and freeze at -70°C. Avoid repeated freezing/thawing cycles.

BACKGROUND:

Apolipoprotein B consists of a single polypeptide chain with a molecular weight of 549 kDa and is mostly synthesized in the liver. It is a major apolipoprotein of very low-density, intermediate density and low-density lipoproteins (LDL) as well as being a major component of lipoprotein (a). Apolipoprotein B is a ligand for the LDL receptor and elevated levels are associated with premature atherosclerosis. Normal plasma apolipoprotein B levels are around 800 mg/L.

APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-1 µg/ml), immunoprecipitation (5-10 µg/ml), immunohistochemistry (5-10 µg/ml) and ELISA (0.5-1 µg/ml). However, the optimal conditions should be determined individually.

SPECIFICITY:

The antibody reacts with human apoLipoprotein B. It shows negligible cross-reactivity with type A-I, A-II, C-I, C-II, C-III, E, and J apoLipoproteins (<1%).

FOR RESEARCH USE ONLY. Not to be used on humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies